

UPS P80-E Spec's & Facts



Background:

Currently, there is no pure electric-powered vehicle in the 7.5-ton class series offered. The available electric-powered vans have a significant loss in payload and volume. With the electrification of the classic-UPS P80 vehicle it is possible to provide an environmentally friendly vehicle for use in inner cities. The conversion has been performed by the medium-sized company EFA-S (Electric Vehicles Schwaben GmbH). The ergonomics of the UPS delivery vehicles are fully observed.

Spec's of the original P80 delivery vehicle with the fleet number 60684:

Engine:	Diesel-4 cylinder
Motor capacity:	4,0 Liter
Output:	105 HP
Max. speed:	80 km/h (all UPS package vehicles above 3,5t are limited across Europe to 80km/h)
Approx. mileage done:	481.147 km
Size (L x H x W):	7300 x 3100 x 2280 mm
Cargo area capacity:	23 m ³
GVW:	7.490 kg
Payload:	3.990 kg
Operation time (before conversion):	1995 - 2010
Operation location:	Bayreuth (Bayern)
Emission standard:	Euro 2
Range:	approx. 450 km

UPS P80-E: Spec's / modification:

E-Motor:	Electro (Synchronmotor von AMK Arnold Müller GmbH & Co. KG in Kirchheim unter Teck)
Torque:	300 Nm
Power output:	122 HP
Max. speed:	max. 80 km/h (electronically limited)
Batteries:	160AH -Li-FeYPO4 with 62 kWh with 120 cells. The cells are individual exchangeable
Battery lifetime:	no replacement planned, long term use
Power supply:	400 Volt
Charge time:	8-10 hours
Location of the Batteries:	under the floor section of cargo area and front hood
Payload:	3.450 kg
Cargo area capacity:	23 m ³ (no change)
Emission standard:	no emission
Consumption (Electricity):	approx. 50 kWh / 100 km
Range:	80-100 km (max. 130 km empty)
Other details:	Regenerative braking capacity (Kers)/(Float version) Start-/Stop automatic; Gear shift with semi automatic



www.ups.com

Georg Leusch
United Parcel Service Deutschland Inc & Co OHG
Görlitzer Straße 1, D-41460 Neuss
Tel: +49 2131 947 2625
Fax: +49 2131 947 2627
E-mail: georg.leusch@europe.ups.com